BRUHAT BANGALORE MAHANAGARA PALIKE

Dasarahalli Zone, Electrical Division

Detailed Estime for Providing Electrical Repair and additional Light fittings to Parks at Ward No-12

Budget Head P0298

Ward No 12 Estimate No..03/12-13. For Rs. 150000.00

Sl No	Description Of Work	Qty	Rate	Unit	Amount
	KPWD (Ele) S.R.2010-11				
1 53/49	Supplying and fixing MV lamps on existing fitting mounted on tubular pole	10	205.00	No	2050.00
2 52/46	Supply and fixing/replacing of choke for Mercury Vapour lamp fitting in existing fitting mounted on tubular pole. a) 125 Watts 1. Group A	10	506.00	No	5060.00
3 54/55	Supply and fixing of 230 volts Porcelain holder for MV/SV/MH lamp a) 70-150 Watts lamp Holder	3	74.00	No	222.00
4 54/60	Supplying and fixing/replacement of ignitor suitable for 70 to 400 watts SV/MH fittings b) Group B	5	500.00	No	2500.00
5 69/4	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV Class I. Class 'A' PVC Cable d) 4 core 16sqmm	330	150.00	Per Mtr	49500.00
6 69/5	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required. I. In existing trench /duct. a) 6sqmm to 16 sqmm	330	8.00	Rmtr	2640.00
7 36/12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required. f) 40-63 Amps TPN 1) Group 'A'	3	1495.00	Each	4485.00
8 34/8	Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. c) 60-70 Amps	3	3865.00	Each	11595.00
9 73/20	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes f) 16 sqmm	15	14.00	Each	210.00
10 9/32	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc., Group 'A' PWD SR 2007-08	2	4200.00	Each	8400.00
11 9/20	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring.I Group A .c) 2.5 sqmm	500	25.00	Per Mtr	12500.00
12 70/6	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil	295	50.00	Rmtr	14750.00
13 41/37	Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. . (32.9a) a) 40x40x6mm	6	240.00	Rmtr	1440.00

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14 41/38	Fabricating supplying and mounting MS box made out... SWG suitable for floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer pain and finally finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete b) 16 SWG	15000	0.33	sqcm	4950.00
15 74/21	Fabricating, supplying and erecting swaged tubular pole of height... Mtr having three sections and providing two coats of re oxide paint and finished with two coats of enameled paint of approved quality and colour and M.S. Base plate of suitable size welded at the bottom of the pole (as per IS) and 40 mm dia GI/flexible PVC pipe of 1 Mtr. Length fitted to the heavy gauge polycarbonate control box including 5 way connector of size 167x125x82mm for 7.5 M pole/ 200x160x98 mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB/DP Switch. The pole shall be erected n cement concrete work(1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be upto 0.6M above ground level as per IS 2713-7.I. Erection of light duty pole on-Foot path a) 9 Mt (5Mt H 165.1mm dia 4.85mm thick x 2M Hm,139.7mm dia 4.50mm thick x 2MHb. 114.3mm dia 3.65mm thick) as per IS 410 SP 32	1	13500.00	Each	13500.0
16 20/14	Supplying High pressure... Watts Metal halide flood light luminary suitable for use with high pressure metal halide lamp with integrated control gear. The fitting shall be non corrosive high pressure die cast aluminium housing with low copper content black/grey powder coated pain finish including wiring, suitable to operate on 230/250 Volts 50 Hz AC supply with---- watts HP metal halide lamps. III 250 Wattsa) Group 'A'	2	8000.00	Each	16000.(
17	Miscellaenous				198.
	TOTAL				**150000.**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2010-11 Rates

Assistant Engineer (Ele)
Dasrahalli Zone

Asst. Executive Engineer (Elecl)
Dasrahalli Zone

27/7

EXECUTIVE ENGINEER (ELECL)
Dasarhalli Zone, BBMP